

REVISION TO STANDARD DRAWINGS
802-SNGP-05 Sign Data Tables


This revises the torque required for base plate & stiffener plates.


Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Y___ N___ By - Additional or Revision
None	Frequency Manual Update Required? Y___ N___ By - Addition or Revision
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	See Above
Motion: Mr.	Action: Passed as submitted; revised
Second: Mr.	Effective - _____ Letting
Ayes:	_____ Supplementals
Nays:	Withdrawn. Resubmit? _____
	Received FHWA Approval? _____

INDIANA DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION
INDIANAPOLIS, INDIANA 46204-2249
INTER-DEPARTMENT COMMUNICATION

December 13, 2004, 2004

MEMORANDUM

TO: Thomas Caplinger 
Road Design Engineer

FROM: Dale Louie 
Engineer of Sign and Lighting Design

SUBJECT: Wide Flange Base Plate Torque, Bolt Diameter, and Overhead Structure Bracing

We would like to make a revision on the above standards. We feel the current torque values are not structurally adequate and sound. Also the bolt diameters shown on March 1, 2005 CD are correct, but with one exception as shown in this revision. We submit these proposed details to the Spec. Committee for review and approval.

BASE PLATE & STIFFENER PLATE DATA TABLE

Post Size	Bolt Size	Torque in. - lb	Wt. of 4 Plates (One Post) ,lb	Wt. of 4 Stiffeners (One Post) ,lb	A	B	C	D	E	R	d4	t1	t2	W
W6 x 9			5.10	3.33	4 1/2"	2"	1 3/8"	2 1/2"	1"		1 3/8"	1/2"	1/2"	3/16"
W8 x 10			6.38	4.07	5"	2 1/4"	1 1/2"	2 3/8"	1 1/8"		1 1/2"	"	"	"
W8 x 13			12.6	7.97	6"	2 1/2"	"	3 1/8"	1 7/8"	11/32"	1 3/4"	3/4"	3/4"	1/4"
W8 x 15			"	"	"	"	"	"	"		"	"	"	"
W8 x 18			"	"	"	"	"	"	"		"	"	"	5/16"
W10 x 19	5/8" x 2 3/4" 3/4" x 3 1/2"	350 450 750	14.04	8.66	"	2 3/4"	1 1/2"	3 5/8"	1 3/8"		2 1/4"	3/4"	3/4"	5/16"

NOTE:

1. For location of Data Table dimensions, see Standard Drawing E 802-SNGP-04

INDIANA DEPARTMENT OF TRANSPORTATION	
SIGN DATA TABLES	
MARCH 2005	
STANDARD DRAWING NO. E 802-SNGP-05	
	